

OLO No. 795
G. W. Workman Estate No. 1
Butler District, Wayne County
West Virginia
Elevation: 611

Wayne 643

Examined: 1-20-1949

1 - 3	1000 - 1012	Light brown limestone with pale green pencils of mudstone cave. (This is the pencil above the little lime caving.)
4 - 6	1012 - 1028	Mottled light brown and very light tan limestone. Drills medium. (Some green mudstone cave.)
7 - 8	1028 - 1042	White limestone, a little pyrite at top. Drills medium.
8	1042 - 1044	Soft brown plated mudstone. Drills medium.
8 - 9	1044 - 1055	White limestone. Drills medium.
10 - 15	1055 - 1088	Very light tan slightly silty limestone. Drills medium. (7" Casing set at 1065'.)
16 - 17	1088 - 1108	Very light tan to white very slightly oolitic and silty limestone. Drills medium.
18 - 19	1108 - 1123	Dense white limestone. Drills medium.
20	1123 - 1129	Light tan oolitic limestone, most oolites drill free with fine white clear quartz rounded pebbles. Drills medium fine.
21 - 23	1129 - 1151	Light tan to very light tan limestone. Drills medium.
24 - 25	1151 - 1161	Light gray dense granular silty limestone. Drills medium.
26	1161 - 1165	Dense very light tan limestone. Drills medium.
Examined: 2-7-1949		
27 - 28	1165 - 1175	Dense very light tan silty limestone, some styloliting at top. Drills medium.
29 - 30	1175 - 1185	Dense white and granular very light tan limestone.
31 - 32	1185 - 1199	Very light gray dolomitic limestone, some glauconite at top. Drills medium.
33 - 34	1199 - 1210	Dark gray silty dolomitic limestone. Drills medium.
35 - 36	1210 - 1230	Light gray silty slightly limy sandstone, pyrite. Drills medium pieces.
37 - 38	1230 - 1240	Very light gray slightly silty sandstone with some pyrite and some greenish gray silty sandstone. Drills medium pieces.
39 - 40	1240 - 1255	Very light gray silty sandstone, some pyrite. Drills medium fine pieces. Slightly dolomitic.
41 - 42	1255 - 1274	Light gray silty sandstone, some pyrite. Drills medium pieces. No lime, no dolomite.
43 - 44	1274 - 1298	Light gray and greenish gray very silty sandstone. Drills medium pieces.
45 - 46	1298 - 1327	Very light gray almost white silty slightly dolomitic sandstone. Drills coarse rounded pieces. Much better sand than any above but still silty. (Gas 1309 - 1327 14 M.)
47 - 49	1327 - 1357	Light gray very silty sandstone shell, pyrite. Drills medium pieces. No lime, trace dolomite.

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50 - 53	1357 - 1400	Gray silty mudstone, pyrite, some black carbonaceous flakes. No lime, trace dolomite.
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54	1792 - 1800	Gray silty shale, gray mudstone and some very light gray mudstone. Drills medium.
55 - 56	1800 - 1821	Black Shale, pyrite. Drills medium.
57	1821 - 1838	Light gray mudstone, light tan siltstone shell, and some light gray siltstone shell.
58	1838 - 1842	Light brown silty very fine-grained sandstone shell, pyrite, a little light gray siltstone. No lime - light gray siltstone, very slightly dolomitic. (Gas 1838 inc. 24 M to 53 M.)
59 - 60	1842 - 1857	Light brown silty sandstone and light gray siltstone and mudstone with pyrite. Drills medium. No lime. No dolomite.
61 - 63	1857 - 1888	Light gray mudstone with some light brown and some light gray siltstone. Drills medium.
64 - 65	1888 - 1898	Light brown very silty sandstone. Drills medium. No lime, trace dolomite. (Gas 1888 inc 44 M to 48 M.)
66 - 67	1898 - 1910	Light gray mudstone, some siltstone shell and some light brown very silty sandstone shell. Drills medium. No lime, no dolomite.
68 - 70	1910 - 1936	Light gray mudstone and a little siltstone shell and some pink mudstone. Drills medium.
71 - 72	1936 - 1955	Black silty Shale. Drills medium.
73 - 75	1955 - 1988	Dark Gray silty Shale. Drills medium.
76 - 78	1988 - 2014	Very Dark Gray silty Shale. Drills medium.
79 - 80	2014 - 2033	Black silty Shale 90 per cent, a little light gray mudstone with pyrite. Drills medium.
81 - 84	2033 - 2073	Light gray mudstone and Gray silty Shale, some pyrite, 40 per cent. Drills medium.
85 - 86	2073 - 2093	Light gray mudstone and a little siltstone shell, some pyrite. Drills medium.
87 - 90	2093 - 2137	Light Brown Shale, a little Gray Shale 60 per cent and light gray mudstone and a little siltstone shell with pyrite. Drills medium.
91 - 93	2137 - 2165	Light gray mudstone and a little siltstone shell with pyrite and Gray Shale less than 5 per cent. Drills medium.
94 - 95	2165 - 2190	Gray Shale 85 per cent and light gray mudstone and a little siltstone shell with some pyrite. Drills medium.
96 - 97	2190 - 2215	Light Brown Shale and silty Shale with pyrite 95 per cent and light gray mudstone. Drills medium.
98 - 100	2215 - 2264	Light Brown Shale 80 per cent and some light gray mudstone and some pyrite. Drills medium.
101 - 103	2264 - 2294	Brown Shale 60 per cent and Light Brownish Gray silty Shale. Drills medium.
104 - 106	2294 - 2333	Light Brownish Gray Shale 70 per cent, Brown Shale 25 per cent and light gray mudstone. Drills medium.
107 - 108	2333 - 2356	Light Brown Shale 90 per cent and Gray Shale. Drills medium.
109 - 110	2356 - 2377	Soft Light Brown Shale 80 percent and some Gray Shale. Drills medium to medium fine.

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111 - 113	2377 - 2419	Light Brown Shale 80 per cent and Brown Shale 20 per cent. Drills medium.
114 - 115	2419 - 2445	Brown Shale 50 per cent and Light Brown Shale 50 per cent. Drills medium.
116 - 119	2445 - 2495	Light gray mudstone with pyrite 60 per cent and Light Brown Shale 40 per cent. Drills medium. (Gas 2466 inc. 37½ M to 41½ M.)
120 - 123	2495 - 2549	Brown Shale, pyrite 90 per cent and some light gray mudstone. Drills medium. (Gas 2514 inc. 41½ M to 42 M.)
124	2549 - 2559	Brown Shale 60 per cent, Light Brown Shale 20 per cent and light gray mudstone 20 per cent, pyrite. Drills medium.
125 - 128	2559 - 2611	Brown Shale, pyrite 90 per cent and some light gray mudstone. Drills medium. (Gas 2595 inc. 40 M to 41 M.)
129 - 130	2611 - 2633	Light Brown Shale. Drills medium.
131 - 133	2633 - 2660	Dark Brown Shale. Drills medium.
133 - 137	2660 - 2716	Light blue gray mudstone, pyrite 90 per cent and a little Gray Shale. Drills medium. (Gas 2681 inc. to 41½ M from 41 M.)
Total Depth	2717	

101 - Brown - Shale 71 M.